

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1-4. (canceled)

5. **(Currently Amended)** A portable fastener driving tool, comprising:
a main body including a combustion chamber;
a rod moveable within the main body ~~and adapted~~ to be driven forward by gas combustion or explosion in said combustion chamber;
a head part disposed at a front end of the main body and having a fastener guiding part;
a magazine removably attachable to the head part and for storing a plurality of fasteners connected with each other by a fastener connecting body; and
a power operated fastener feeding mechanism comprising:
a rotary feed member for feeding the fasteners one by one into the fastener guiding part to be driven from the head part by forward movement of the rod; and
an electric motor for driving the rotary feed member,
wherein the rotary feed member comprises
at least a rotary feed gear coupled to be driven by the motor and engageable with the
fastener connecting body or the fasteners, for feeding the fasteners one by one into the fastener
guiding part; and
a rotation detection gear rotatable together with the rotary feed gear and arranged
coaxially with the rotary feed gear, for indicating a feeding of each of the fasteners into the
fastener guiding part.

6. (Previously Presented) The tool of claim 5, wherein
the magazine has a shape of a drum for housing the fastener connecting body wound
either in a coil shape or a roll shape.

7. (**currently amended**) The tool of claim 5, wherein the fastener feeding
mechanism further comprises:

a first sensor for detecting a retracted position of the rod;
a second sensor for detecting the feeding of one of the fasteners into the fastener guiding
part;

a brake for controllably stopping the motor from rotating the rotary feed ~~member gear~~;
and

a control circuit for

~~permitting causing~~ the motor to rotate the rotary feed ~~member gear~~ for
feeding one of the fasteners into the fastener guiding part upon a first detection of
the first sensor that the rod is in the retracted position, and

energizing the brake to stop the motor from rotating upon a second
detection of the second sensor that one of the fasteners has been fed into the
fastener guiding part.

8. (**currently amended**) The tool of claim 7, wherein the second sensor is arranged
for detecting a rotation of the rotary feed ~~member gear~~, said rotation being sufficient for feeding
one of the fasteners into the fastener guiding part.

9. (**Currently Amended**) The tool of claim 7, wherein
~~the fastener feeding mechanism further comprises a rotation detection gear rotatable~~
~~together with the rotary feed member and having~~ ~~has~~ a plurality of troughs,
the second sensor comprises a contact member positionable in any one of said troughs;
and

a movement of the contact member from one trough to an adjacent trough, due to a rotation of the rotation detection gear together with the rotary feed ~~member gear~~, corresponds to the feeding of one of the fasteners into the fastener guiding part.

10. (Currently Amended) The tool of claim 9, wherein
~~the rotary feed member comprises a rotary feed gear; and~~
the rotary feed gear and the rotation detection gear have the same number of teeth.

11. (Previously Presented) The tool of claim 7, wherein the first sensor comprises a contact member contactable with said rod except at said retracted position, thereby detecting the rod being in the retracted position when the contact member does not contact the rod.

12. (Previously Presented) The tool of claim 7, wherein the control circuit is arranged for, in response to the second detection of the second sensor that one of the fasteners has been fed into the fastener guiding part, turning off the motor before energizing the brake.

13. (Currently Amended) The tool of claim 5, wherein ~~the rotary feed member comprises a~~ the rotary feed gear is disposed at the head part ~~and directly driven by the electric motor to feed said fasteners.~~

14. (currently amended) The tool of claim 5, wherein the rotary feed member comprises multiple said rotary feed gears for respectively engaging different parts of the fastener connecting body or different parts of the fasteners to be fed.

15. (canceled)

16. (Currently Amended) An explosively actuated fastener driving tool, comprising:
an explosively actuated fastener driving mechanism for driving a rod forward by gas combustion or explosion in a combustion chamber associated with said rod; and

an electrically powered fastener feeding mechanism for feeding fasteners from a magazine associated with said tool to the fastener driving mechanism,

wherein the electrically powered fastener feeding mechanism comprises
a rotary feed gear for feeding the fasteners one by one to the fastener driving mechanism;
and

a rotation detection gear rotatable together with the rotary feed gear and arranged coaxially with the rotary feed gear, for indicating a feeding of each of the fasteners into the fastener driving mechanism.

17. **(currently amended)** The tool of claim 16, wherein the fastener feeding mechanism further comprises

~~a rotary feed member for feeding the fasteners one by one to the fastener driving mechanism; and~~

an electric motor for driving the rotary feed gear member.

18. **(currently amended)** The tool of claim 17, wherein the fastener feeding mechanism further comprises:

a brake for controllably stopping the motor from rotating the rotary feed member gear; and

a control circuit for

permitting causing the motor to rotate the rotary feed member gear for feeding one of the fasteners to the fastener driving mechanism upon a first detection that a fastener driving element of the fastener driving mechanism is in a retracted position, and

energizing the brake to stop the motor from rotating upon a second detection that one of the fasteners has been fed to the fastener driving mechanism.

19. (Previously Presented) The tool of claim 18, wherein the control circuit is arranged for, in response to the second detection that one of the fasteners has been fed to the fastener driving mechanism, turning off the motor before energizing the brake.

20. **(Currently Amended)** A combustion-powered fastener driving tool, comprising:

a combustion-powered fastener driving mechanism for driving a rod forward by gas combustion or explosion in a combustion chamber associated with said rod; and

an electrically powered fastener feeding mechanism for feeding fasteners from a magazine associated with said tool to the fastener driving mechanism,

wherein the electrically powered fastener feeding mechanism comprises
a rotary feed gear for feeding the fasteners one by one to the fastener driving mechanism;
and

a rotation detection gear rotatable together with the rotary feed gear and arranged coaxially with the rotary feed gear, for indicating a feeding of each of the fasteners into the fastener driving mechanism.

21. **(currently amended)** The tool of claim 20, wherein the fastener feeding mechanism further comprises

~~a rotary feed member for feeding the fasteners one by one to the fastener driving mechanism; and~~

an electric motor for driving the rotary feed member gear.

22. **(currently amended)** The tool of claim 21, wherein the fastener feeding mechanism further comprises:

a brake for controllably stopping the motor from rotating the rotary feed member gear; and

a control circuit for

causing permitting the motor to rotate the rotary feed gear member for feeding one of the fasteners to the fastener driving mechanism upon a first detection that a fastener driving element of the fastener driving mechanism is in a retracted position, and

energizing the brake to stop the motor from rotating upon a second detection that one of the fasteners has been fed to the fastener driving mechanism.

23. (Previously Presented) The tool of claim 22, wherein the control circuit is arranged for, in response to the second detection that one of the fasteners has been fed to the fastener driving mechanism, turning off the motor before energizing the brake.

24. (New) The tool of claim 5, wherein
said rotation detection gear and the rotary feed gear are integrally fixed to a single shaft, and
the electric motor is free of direct attachment to the rotation detection gear and the rotary feed gear.

25. (New) The tool of claim 16, wherein
said rotation detection gear and the rotary feed gear are disposed on a common rotational shaft, and
the electric motor is coupled to rotate said rotational shaft via a slave gear on said shaft.

26. (New) The tool of claim 20, wherein
said rotation detection gear and the rotary feed gear are disposed on a common rotational shaft, and
the electric motor has a main shaft inclined with respect to said rotational shaft, and
coupled with said rotational shaft via a twisting gear.